

# Converting Colors

Hex(DB5800)

Have a look what the booklet for  
Hex(DB5800) contains.

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**Color**

**Hex(DB5800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB5800
RGB	219, 88, 0
RGB Percent	86%, 35%, 0%
CMY	0.1412, 0.6549, 1.0000
CMYK	0.00, 0.60, 1.00, 0.14
HSL	24°, 100%, 43%
HSV	24°, 100%, 86%
XYZ	32.7031, 22.0395, 2.5304
YIQ	117.1370, 106.3240, 0.4040

# Conversions

## Conversions Part 2

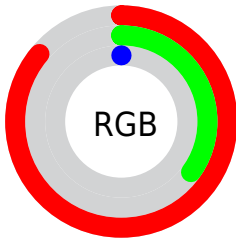
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 147, 0</a>
Decimal	<a href="#">14374912</a>
CIELab	<a href="#">54.07, 48.34, 63.73</a>
CIELCh	<a href="#">54, 79.995, 52.819</a>
Yxy	<a href="#">22.0395, 0.5710, 0.3848</a>
Android (android.graphics.Color)	<a href="#">4292564992 (0xFFDB5800)</a>
YUV	<a href="#">117.1370, -57.7485, 89.3339</a>
Hunter-Lab	<a href="#">46.9463, 42.1886, 29.6666</a>

# Details

The Hex color **DB5800** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **0083DB**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **FF8E3F**, and **9C2100** is the 20% darker color. If you saturate the color by 10%, you get **DB5800**, and if you desaturate by 10%, it is **DB6516**.

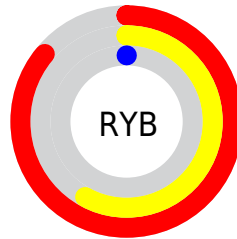
# Distribution



Red (86%)

Green (35%)

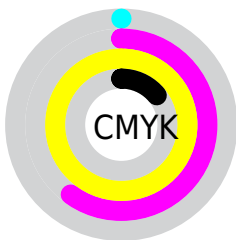
Blue (0%)



Red (86%)

Yellow (58%)

Blue (0%)

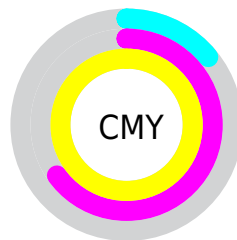


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (65%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DB5800 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color DB5800 by changing the saturation by 10% instead.



 DB5800

 DB5800

FFFFFF

 BB3D00

 FF8E3F

 9C2100

 FFA959

 7C0000

 FFC574

 5E0000

 FFE28F

 410000

 FFFFAA

 240001

 FFFFC6

 000000

 FFFF E3

 DB5800

 DB6516

 DB722C

 DB7F42

 DB8C58

 DB9A6E

 DBA783

 DBB499

 DBC1AF

 DBCEC5

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



F62D51



DB5800



AB7900

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



DB5800



009E6E



4C77FF

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



DB5800



0083DB

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



008FFF



DB5800



009FB5

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



DB5800



009821



009BEF



C250D6

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DB5800



828800



009BEF



0080FF



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



DB5800



FFD1B3



DB0083



806452



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



DB5800



FF6600



DBC500



6E6763



AD4600



2E1200

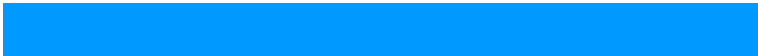


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



0083DB



0099FF



0016DB



63696E



0068AD



001B2E



# Previews

## White Background



This preview shows how the Hex color DB5800 looks on a white background.

## Color Contrast Check

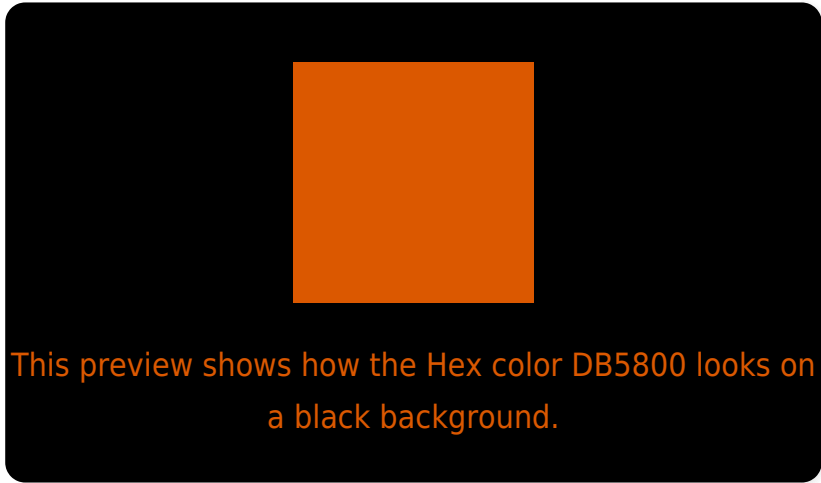
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex DB5800 Background



This preview shows how black text looks on a background with the Hex color DB5800.



This preview shows how white text looks on a background with the Hex color DB5800.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



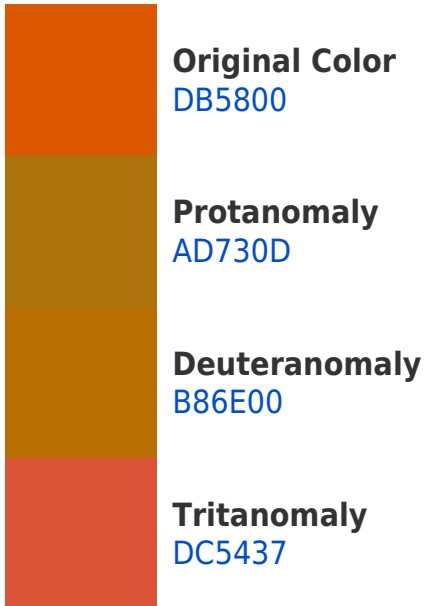
**Original Color**  
DB5800

**Protanopia**  
928215

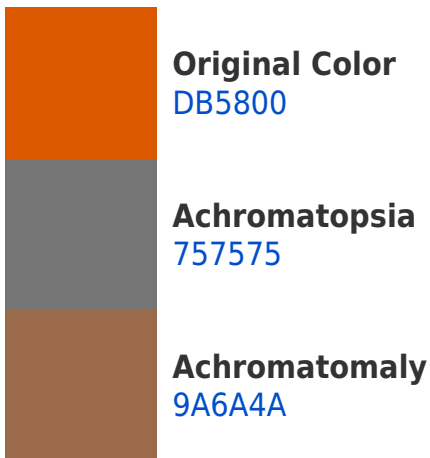
**Deuteranopia**  
A47B00



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DB5800 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #DB5800 looks like.

```
.text, #text, p{  
    color:#DB5800  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #DB5800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB5800
}
```

## Border

The CSS property to change the border of an element to Hex DB5800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

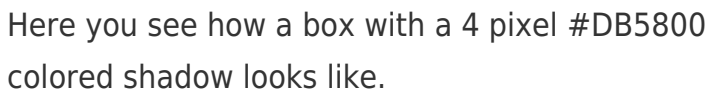
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DB5800 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#DB5800 }
```

If you want to add a box shadow in that color use:

A rectangular box with a 4px orange shadow. The box is white with a thin orange border and a thicker orange shadow on the right and bottom sides. The text inside the box reads: "Here you see how a box with a 4 pixel #DB5800 colored shadow looks like." data-bbox="137 528 770 585"/>

Here you see how a box with a 4 pixel #DB5800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB5800; -webkit-box-shadow:4px 4px  
4px 4px #DB5800; box-shadow:4px 4px 4px  
4px #DB5800 }
```

# Background

The CSS property to change the background color of an element to Hex DB5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB5800 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#DB5800 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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